

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

NOTICE OF ALLOWANCE AND FEE(S) DUE

022879

7590

04/08/2002

HEWLETT PACKARD COMPANY P O BOX 272400, 3404 E. HARMONY ROAD INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400

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EXA	AMINER '
NGUYEN	I, LAMSON D
'ART UNIT	CLASS-SUBCLASS
• 2861	347-043000

DATE MAILED: 04/08/2002

ĺ	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
•	09/640,286	08/16/2000	Joseph M. Torgerson	10992318-1	2920

TITLE OF INVENTION: HIGH PERFORMANCE, HIGH-DENSITY INK JET PRINTHEAD HAVING MULTIPLE MODES OF OPERATION

ſ	TOTAL CLAIMS	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
٠	21	nonprovisional	NO	\$1280	\$0	\$1280	07/08/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



PART B - FEE(S) TRANSMITTAL

Complete and mail this form, together with applicable fee(s), to:

Box ISSUE FEE

Assistant Commissioner for Patents

Washington, D.C. 20231

MAILING INSTRUCTI where appropriate. All fundicated unless correcte maintenance fee notifica	ed below or directed oth	be used for transmitting cluding the Patent, advance erwise in Block 1, by (a)	the ISSUE FEE and F orders and notification specifying a new corr	PUBLICATION FEE in of maintenance feet respondence address;	(if required). Blocks 1 thro s will be mailed to the curren and/or (b) indicating a sepa	ugh 4 should be complete it correspondence address a arate "FEE ADDRESS" fo
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						(Signature
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APPLICATION NO. 09/640,286	98/16/2000	r	Joseph M. Torgerson		ATTORNEY DOCKET NO. 10992318-1	2920
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21	nonprovisional	NO	\$1280	\$0	\$1280	07/08/2002
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CFR 1.363). Use of PT but not required. Change of corresponded and PTO/SI	ondence address (or Chan B/122) attached. cation (or "Fee Address"	Number are recommended ge of Correspondence	or agents OR, a single firm (hav attorney or agen	to 3 registered pater lternatively, (2) the ring as a member a nt) and the names of attorneys or agents.	name of a l registered of up to 2 2	
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☐ Issue Fee			check in the amount of ayment by credit card.	• • •		
□ Publication Fee		Пπ	•		harge the required fee(s), or	credit any overnayment to
☐ Advance Order - # c	of Copies		osit Account Number		enclose an extra copy of this	form).
The COMMISSIONER (ADEMARKS is requested	to apply the Issue Fee	and Publication Fee (if any) or to re-apply any pro	eviously paid issue fee to the
Authorized Signature)	-	(Date)	- i			

NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending on the needs of the individual case. Any comments on the amount of time required to complete this form should be sent to the Chief Information Officer, United States Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND FEES AND THIS FORM TO: Box Issue Fee, Assistant Commissioner for Patents, Washington, D.C. 20231

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/640,286	08/16/2000	Joseph M. Torgerson	10992318-1	2920
022879	7590 04/08/2002		EXAMIN	ER
HEWLETT PA	ACKARD COMPANY		NGUYEN, LA	MSON D
	00, 3404 E. HARMONY AL PROPERTY ADMIN		ART UNIT	PAPER NUMBER
FORT COLLIN	S, CO 80527-2400		2861	
			DATE MAILED: 04/08/2002	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 0 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 0 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

		L'le Corry
	Application No.	Applicant(s)
	09/640286	TOFERSON ET AZ
Notice of Allowability	Examiner	Art Unit
	LAMSON NOVER	
The MAILING DATE of this communication ap I claims being allowable, PROSECUTION ON THE MERITS crewith (or previously mailed), a Notice of Allowance and Issu HIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PA titative of the Office or upon petition by the applicant. See 37	IS (OR REMAINS) CLOSED in this a ue Fee Due or other appropriate com TENT RIGHTS. This application is s	application. If not included
This communication is responsive to TMENDME. The allowed claim(s) is/are Z /	(100
The drawings filed on are acceptable as formal d		
 Acknowledgment is made of a claim for foreign priority t a) ☐ All b) ☐ Some* c) ☐ None of the: 	under 35 U.S.C. § 119(a)-(d) or (f).	
1. Certified copies of the priority documents ha	ave been received.	
2. Certified copies of the priority documents ha		
3. Copies of the certified copies of the priority		
International Bureau (PCT Rule 17.2(a)).		5 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
* Certified copies not received:		
Acknowledgement is made of a claim for domestic priority	ty under 35 U.S.C. § 119(e).	
OR SUBMITTING NEW FORMAL DRAWINGS, OR A SUBSIMPLYING WITH THE REQUIREMENT FOR THE DEPOSIT OF Note the attached EXAMINER'S AMENDMENT or NOTE the oath or declaration is deficient. A SUBSTITUTE OF	BIOLOGICAL MATERIAL is extending OF INFORMAL APPLICATION (dable under 37 CFR 1.136(a). (PTO-152) which gives reason(s) why
Applicant MUST submit NEW FORMAL DRAWINGS (a) including changes required by the Notice of Draftsp	person's Patent Drawing Review(PT	O-948) attached
1) 🗌 hereto or 2) 🗡 to Paper No. 🚣 .	·	
(b) including changes required by the proposed drawin		* * *
(c) including changes required by the attached Examin	ner's Amendment / Comment or in the	e Office action of Paper No
Identifying Indicia such as the application number (see should be filed as a separate paper with a transmittal i		
☐ Note the attached Examiner's comment regarding REQU	UIREMENT FOR THE DEPOSIT OF	BIOLOGICAL MATERIAL
ny reply to this letter should include, in the upper right hand concluded the plicant has received a Notice of Allowance and Issue Fee Du LOWANCE should also be included.		
tachment(s)		
Notice of References Cited (PTO-892)		mal Patent Application (PTO-152)
Notice of Draftperson's Patent Drawing Review (PTO-948)		mary (PTO-413), Paper No
Information Disclosure Statements (PTO-1449), Paper No. Examiner's Comment Regarding Requirement for Deposit		nendment/Comment atement of Reasons for Allowance
of Biological Material	9☐ Other .	
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U.S. Patent and Trademark Office PTO-37 (Rev. 01-01) Serial Number: 09/640,286

Page 2

Art Unit: 2861

04/02/02

Reasons for Allowance

- 1. Prior arts fail to overcome the feature of a printing apparatus comprising a printhead capable of printing multiple printing modes and having a sufficient number of nozzles formed in the printhead and arranged along at least three axes that are parallel and spaced apart from each other to provide printing resolution of at least 600 dpi in each mode, in the combination as claimed.
- 2. Any question regarding this communicatation may be addressed to Mr. Lamson D.

Nguyen at 703-306-4547.